

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 10 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

(A) NAME/KEY: misc_feature

(B) LOCATION: 10

(D) OTHER INFORMATION: /note-"Donor chromophore at the 3' T nucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

ATGCATACGT

10

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 10 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

(A) NAME/KEY: misc_feature

(B) LOCATION: 1

(D) OTHER INFORMATION: /note-"Acceptor chromophore at the 5' T nucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

TCAGTACGAT

10

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 20 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

ATCGTACTGA ACGTATGCAT

20

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	16 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

(A) NAME/KEY:	misc_feature
(B) LOCATION:	6
(D) OTHER INFORMATION:	/note-"Sulforhodamine 101 (Texas Red)-labelled T nucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

ATGTCTGACT GCAGCT

16

(2) INFORMATION FOR SEQ ID NO: 5

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	30 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

(A) NAME/KEY:	misc_feature
(B) LOCATION:	11
(D) OTHER INFORMATION:	/note-"Fluorescein-labelled T nucleotide"

(ix) FEATURE:

(A) NAME/KEY:	misc_feature
(B) LOCATION:	18
(C) OTHER INFORMATION:	/note-"Fluorescein-labelled T nucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

ACGACCATAG TGCGAGCTGC AGTCAGACAT

30

(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	29 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

(A) NAME/KEY:	misc_feature
(B) LOCATION:	11
(D) OTHER INFORMATION:	/note-"Fluorescein-labelled T nucleotide"

(ix) FEATURE:

(A) NAME/KEY:	misc-feature
(B) LOCATION:	18
(D) OTHER INFORMATION:	/note-"Fluorescein-labelled T nucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

CGCACTATGG TCGTGAGTGT TGAGAGGCT

29

(2) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	29 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

(A) NAME/KEY:	misc_feature
(B) LOCATION:	11
(D) OTHER INFORMATION:	/note-"Fluorescein-labelled T nucleotide"

(ix) FEATURE:

(A) NAME/KEY:	misc_feature
(B) LOCATION:	19
(D) OTHER INFORMATION:	/note-"Fluorescein-labelled T nucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

ACGACCATAG TGCGAGCCTC TGAACACTC

29

(2) INFORMATION FOR SEQ ID NO: 8:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	15 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

(A) NAME/KEY:	misc_feature
(B) LOCATION:	5
(D) OTHER INFORMATION:	/note-"Fluorescein-labelled T nucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

AGCCTCTGAA CACTC

15

(2) INFORMATION FOR SEQ ID NO: 9:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	18 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

(A) NAME/KEY:	misc_feature
(B) LOCATION:	13
(D) OTHER INFORMATION:	/note-"Fluorescein-labelled T nucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

CCTGCTCATG AGTCTCTC

18

(2) INFORMATION FOR SEQ ID NO: 10:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	18 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

(A) NAME/KEY: misc_feature

(B) LOCATION: 1

(D) OTHER INFORMATION: /note-"Texas Red-labelled G nucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

GAGAGACTCA TGAGCAGG

18

(2) INFORMATION FOR SEQ ID NO: 11:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:

24 base pairs

(B) TYPE:

nucleic acid

(C) STRANDEDNESS:

single

(D) TOPOLOGY:

linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

(A) NAME/KEY: misc_feature

(B) LOCATION: 1

(D) OTHER INFORMATION: /note-"The 5' G nucleotide separates the terminal Texas Red (TR) acceptor from its primary donor, fluorescein (F)"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

GGAGACTCAT GAGCAGGGGC TAGC

24